SPECIALISED EQUIPMENT

Abem Terrameter - Measures the apparent resistivity of rocks (to deeper depths >200m)

3D Resistivity Studies

2D Resistivity Studies

Winch and Micro-logger

Magnetometer - Measures the magnetic properties of rocks

GIS and groundwater database management

Pumping Test (Aquifer Evaluation)

CONTACT
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ESTABLISHMENT
The Council for Scientific and Industrial Research-Water Research Institute (CSIR-WRI) is one of the thirteen (13) Research Institutes of the CSIR. It is a public Institution established in 1996 from the merger of the former Institute of Aquatic Biology (IAB) and the Water Resources Research Institute (WRRI), both of the CSIR, which were established in 1965 and 1982, respectively.

VISION
To become a centre of excellence in the provision of scientific research into water and related resources for sustainable socio-economic growth

MISSION
To conduct research into all aspects of water resources (both living and non-living) in order to provide scientific and technical information and services as well as strategies for the sustainable development, utilization and management of such resources for the socio-economic advancement of the country

VALUES
Our core values include dedication to duty, commitment, loyalty to quality assurance and customer satisfaction

CSIR-WATER RESEARCH INSTITUTE (CSIR-WRI)

FUNCTIONS AND RESPONSIBILITIES
- Conduct research into groundwater resources of Ghana
- Provide scientific information on groundwater resources to governmental and non-governmental agencies and the general public
- Undertake Groundwater monitoring activities
- Undertake Groundwater assessment studies
- Groundwater Database Management
- Provide technical services on issues of groundwater development to the general public:
  - Geophysical investigation for borehole siting
  - Borehole drilling supervision
  - Pumping test for aquifer evaluation
  - Borehole mechanization
  - Pump repairs (submersible/hand-pumps)
  - Borehole logging (Geo-logging)
  - Installation of treatment plants on boreholes (Reverse Osmosis, filters, iron removal, etc.)
  - Provision of Hydro-geological information
  - Production of Hydro-geological maps
- Offer training to students (local/foreign), water managers, community water taskforce, etc.

GROUNDWATER DIVISION (GWD)
The mandate of the Groundwater Division is to generate, process and disseminate information on the availability of groundwater, quantity of water to be abstracted for various uses as well as the reliability and sustainability of its recharge.

AREAS OF EXPERTISE
- Geological Engineers
- Groundwater Hydrologists
- Hydrogeologists
- Physicists
- Geophysicists
- Water Treatment specialist

GEOPHYSICAL SURVEY FOR BOREHOLE SITING

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